

Appl. No. 10/074,319

Amdt. Dated October 12, 2004

Reply to Office Action of June 9, 2004

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for providing a radio with prerecorded messages for programmed playback comprising the steps of:

programming a storage and playback circuitry with a message and message particulars, said circuitry comprising a micro controller and an audio integrated circuit; [[,]]

connecting said storage and playback circuitry between a demodulator and an audio amplifier of a radio to automatically initiate periodic replacement of received radio signals with the message; [[,]] and

inputting a signal from the demodulator to the audio integrated circuit.

Claim 2 (original): The method of claim 1, including the steps of connecting an RDS separator to the radio such

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that signals from an IF amplifier within the radio and said demodulator are input to said RDS separator, and connecting said RDS separator to said micro controller.

Claim 3 (currently amended): An apparatus adapted to be connected to a radio comprising:

a storage and playback circuit connected between a demodulator and an audio amplifier of said radio; and

a timer to automatically initiate periodic playback of at least one prerecorded message by said storage and playback circuit.

Claim 4 (original): The apparatus of claim 3, wherein said storage and playback circuit comprises a micro controller.

Claim 5 (original): The apparatus of claim 4, wherein said storage and playback circuit includes an audio integrated circuit.

Claim 6 (original): The apparatus of claim 5, wherein said radio includes an RDS separator connected to said micro controller, said micro controller being connected to said

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audio integrated circuit.

Claim 7 (original): The apparatus of claim 6, wherein said RDS separator receive a signal from an IF amplifier and from said demodulator, and said audio integrated circuit receives a signal from said demodulator.

Claim 8 (new): The method of claim 1, which further comprises the steps of:

detecting an RDS commercial in a received radio broadcast; and

replacing the broadcast RDS commercial with at least one of the prerecorded messages from said storage and playback circuitry.

Claim 9 (new): The method of claim 1, which further comprises interleaving at least one of the prerecorded messages into the signal from the demodulator of a received radio broadcast.

Claim 10 (new): The method of claim 9, wherein the at least one of the prerecorded messages plays with the received broadcast.

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Claim 11 (new): The method of claim 9, wherein the at least one of the prerecorded messages plays instead of the received broadcast.

Claim 12 (new): The apparatus of claim 3, wherein said periodic playback by said storage and playback circuit interrupts and replaces a portion of a received radio broadcast with said at least one prerecorded message.

Claim 13 (new): The apparatus of claim 3, wherein said timer comprises a micro controller running a host program to automatically detect broadcasting of a regular commercial message and to periodically initiate playback over the regular commercial message by said storage and playback circuit of said at least one prerecorded message.

Claim 14 (new): A method for providing a radio with at least one prerecorded message for automatic programmed playback comprising the steps of:

receiving a radio broadcast and playing at least a portion of the received radio broadcast;

determining whether an RDS signal is associated with the

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radio broadcast;

upon determining that an RDS signal is present and
detecting a regular programmed commercial in the received
radio broadcast, automatically playing the at least one
prerecorded message instead; and

otherwise periodically playing the at least one
prerecorded message instead of a portion of the received
radio broadcast.